

**PATENT**  
**HES 2002-IP-007973U1**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	B. Raghava Reddy; Frank Zamora and Ronald J. Crook	)	)	
		)	)	Art Unit: Unknown
		)	)	
Serial No.:	unknown	)	)	
		)	)	
Filed:	concurrently herewith	)	)	Examiner: Unknown
		)	)	
For:	PROCESSES FOR INCORPORATING	)	)	
	INERT GAS IN A CEMENT	)	)	
	COMPOSITION CONTAINING	)	)	
	SPHERICAL BEADS	)	)	

**INFORMATION DISCLOSURE STATEMENT**

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

**U. S. PATENTS**

U.S. Patent No. 3,036,633 issued May 29, 1962 to Eldon J. Mayhew.

U.S. Patent No. 3,220,863 issued November 30, 1965 to Eldon J. Mayhew.

U.S. Patent No. 3,669,701 issued June 13, 1972 to E. W. Biederman, Jr.

U.S. Patent No. 3,804,058 issued April 16, 1974 to Joseph U. Messenger.

U.S. Patent No. 3,902,911 issued September 2, 1975 to Joseph U. Messenger.

U.S. Patent No. 4,234,344 issued November 18, 1980 to John M. Tinsley et al.

U.S. Patent No. 4,304,298 issued December 8, 1981 to David L. Sutton.

U.S. Patent No. 4,340,427 issued July 20, 1982 to David L. Sutton.

U.S. Patent No. 4,367,093 issued January 4, 1983 to John F. Burkhalter et al.

U.S. Patent No. 4,370,166 issued January 25, 1983 to Charles A. Powers et al.

U.S. Patent No. 4,450,010 issued May 22, 1984 to John F. Burkhalter et al.

U.S. Patent No. 4,515,635 issued May 7, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,555,269 issued November 26, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,565,578 issued January 21, 1986 to David L. Sutton et al.

U.S. Patent No. 4,818,288 issued April 4, 1989 to Alois Aignesberger et al.

U.S. Patent No. 5,484,019 issued January 16, 1996 to James E. Griffith.

U.S. Patent No. 5,571,318 issued November 5, 1996 to James E. Griffith et al.

U.S. Patent No. 5,588,489 issued December 31, 1996 to Jiten Chatterji et al.

U.S. Patent No. 5,696,059 issued December 9, 1997 to David D. Onan et al.

U.S. Patent No. 5,711,801 issued January 27, 1998 to Jiten Chatterji et al.

U.S. Patent No. 5,716,910 issued February 10, 1998 to Patty L. Totten et al.

U.S. Patent No. 5,791,380 issued August 11, 1998 to David D. Onan et al.

U.S. Patent No. 5,851,960 issued December 22, 1998 to Patty L. Totten et al.

U.S. Patent No. 6,060,535 issued May 9, 2000 to John Villar et al.

U.S. Patent Number 6,063,738 issued May 16, 2000 to Jiten Chatterji et al.

U.S. Patent Number 6,244,343 B1 issued June 12, 2001 to Lance E. Brothers et al.

U.S. Patent Number 6,367,549 B1 issued April 9, 2002 to Jiten Chatterji et al.

U.S. Patent Number 6,457,524 B1 issued October 1, 2002 to Craig W. Roddy

U.S. Patent Number 6,478,868 B1 issued November 12, 2002 to Baireddy R. Reddy et al.

U.S. Patent Number 6,508,305 B1 issued January 21, 2003 to Harold D. Brannon et al.

U.S. Patent Number 6,516,883 B1 issued February 11, 2003 to Jiten Chatterji et al.

U.S. Patent Number 6,562,122 B2 issued May 13, 2003 to Bach Dao et al.

U.S. Patent Number 6,601,647 B2 issued August 5, 2003 to Lance E. Brothers et al.

U.S. Patent Number 6,631,766 B2 issued October 14, 2003 to Lance E. Brothers et al.

### **OTHER MATERIAL**

Halliburton brochure entitled “CFR-3 Cement Friction Reducer Dispersant” dated 1998.

Halliburton brochure entitled “Halad®-344 Fluid-Loss Additive” dated 1998.

Halliburton brochure entitled “Silicalite Cement Additive” dated 1999.

Halliburton brochure entitled “Spherelite Cement Additive” dated 1999.

Halliburton brochure entitled “ZONESEAL<sup>SM</sup> Isolation Process” dated 1998.

Brochure entitled “3M Specialty Materials For the Oil & Gas Industry” dated June 2001.

Brochure entitled “3M<sup>TM</sup> Microspheres” dated September 2000.

Brochure entitled “3M Schotchlite<sup>TM</sup> Glass Bubbles” dated July 1999.

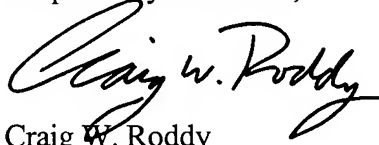
United States Patent Application Serial Number 10/159,588, filed May 31, 2002 entitled “Methods of Generating Gas In Well Treating Fluids,” by B. Raghava Reddy et al.

United States Patent Application Serial Number 10/159,001 filed May 31, 2002 entitled “Methods of Generating Gas In and Foaming Well Cement Compositions,” by B. Raghava Reddy et al.

United States Patent Application Serial Number 10/159,590 filed 10/159,590 filed May 31, 2002 entitled “Methods of Generating Gas In Well Fluids,” by B. Raghava Reddy et al.

Copies of the aforementioned non-patent references and Form PTO-1449 are submitted  
herewith.

Respectfully submitted,

A handwritten signature in black ink, reading "Craig W. Roddy". The signature is fluid and cursive, with the first name "Craig" being the most prominent.

Craig W. Roddy  
Registration No. 36,256  
Halliburton Energy Services  
P. O. Box 1431  
Duncan, OK 73536-0440  
580-251-3012

<b>FORM PTO-1449</b> (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. 2002-IP-007973U1	SERIAL NO. unknown
	APPLICANT B. Raghava Reddy et al.	
	FILING DATE concurrently herewith	GROUP Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	3,036,633	05/29/62	Mayhew	166	31	
	AB	3,220,863	11/30/65	Mayhew	106	96	
	AC	3,669,701	06/13/72	Biederman, Jr.	106	120	
	AD	3,804,058	04/16/74	Messenger	166	292	
	AE	3,902,911	09/02/75	Messenger	106	97	
	AF	4,234,344	11/18/80	Tinsley et al.	106	88	
	AG	4,304,298	12/08/81	Sutton	166	293	
	AH	4,340,427	07/20/82	Sutton	106	87	
	AI	4,367,093	01/04/83	Burkhalter et al.	106	87	
	AJ	4,370,166	01/25/83	Powers et al.	106	97	
	AK	4,450,010	05/22/84	Burkhalter et al.	106	87	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Halliburton brochure entitled "CFR-3 Cement Friction Reducer Dispersant" dated 1998.
		Halliburton brochure entitled "Halad®-344 Fluid-Loss Additive" dated 1998
	AS	Halliburton brochure entitled "Silicalite Cement Additive" dated 1999.
		Halliburton brochure entitled "Spherelite Cement Additive" dated 1999.
	AT	Halliburton brochure entitled "ZONESEAL <sup>SM</sup> Isolation Process" dated 1998.
		Brochure entitled "3M Specialty Materials For the Oil & Gas Industry" dated June 2001.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AA	4,515,635	05/07/85	Rao et al.	106	90	
	AB	4,555,269	11/26/85	Rao et al.	106	90	
	AC	4,565,578	01/21/86	Sutton et al.	106	87	
	AD	4,818,288	04/04/89	Aignesberger et al.	106	90	
	AE	5,484,019	01/06/96	Griffith	166	293	
	AF	5,571,318	11/05/96	Griffith et al.	106	725	
	AG	5,588,489	12/31/96	Chatterji et al.	166	293	
	AH	5,696,059	12/09/97	Onan et al.	507	269	
	AI	5,711,801	01/27/98	Chatterji et al.	106	789	
	AJ	5,716,910	02/10/98	Totten et al.	507	102	
	AK	5,791,380	08/11/98	Onan et al.	138	149	

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	AL							
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	AR	Brochure entitled "3M™ Microspheres" dated September 2000.
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	AA	5,851,960	12/22/98	Totten et al.	507	118	
	AB	6,060,535	05/09/00	Villar et al.	523	130	
	AC	6,063,738	05/16/00	Chatterji et al.	507	269	
	AD	6,244,343 B1	06/12/01	Brothers et al.	166	293	
	AE	6,367,549 B1	04/09/02	Chatterji et al.	166	292	
	AF	6,457,524 B1	10/01/02	Roddy	166	293	
	AG	6,478,868 B1	11/12/02	Reddy et al.	106	696	
	AH	6,508,305 B1	01/21/03	Brannon et al.	166	293	
	AI	6,516,883 B1	02/11/03	Chatterji et al.	166	293	
	AJ	6,562,122 B2	05/13/03	Dao et al.	106	705	
	AK	6,601,647 B2	08/05/03	Brothers et al.	166	293	
	AL	6,631,766 B2	10/14/03	Brothers et al.	166	293	

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